December 1999

AWIPS
Commissioning Readiness Report

WFO/RFC:

DATE:

MIC/HIC:

SIGNATURE:

United States Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Office of Systems Operations

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Acronyms

AWIPS	Advanced Weather Interactive Processing System
APS	Asynchronous Product Scheduler
ASOS	Automated Surface Observing System
AFOS	Automation of Field Operations and Services
CRR	Commissioning Readiness Report
CRS	Console Replacement System
CWA	County Warning Area
FTP	File Transfer Protocol
HIC	hydrologist-in-charge
HMT	Hydrometeorological Technician
LAN	local area network
LDAD	Local Data Acquisition and Dissemination
MIC	meteorologist-in-charge
NCEP	National Centers of Environmental Predication
NEXRAD	Next Generation Weather Radar
NOAA	National Oceanic and Atmospheric Administration
NWSFO	NEXRAD Weather Service Forecast Office
NWR	NOAA Weather Radio
NWWS	NOAA Weather Wire Service
OT&E	Operational Test and Evaluation
PC-ROSA	PC-Remote Observation System Automation
PC	personal computer
RFP	regional focal point
RFC	River Forecast Office
SID	site identifier
TTY	teletype
URL	uniform resource locators
WSH	Weather Service Headquarters

W/S	workstation

1 Introduction

The *Advanced Weather Interactive Processing System (AWIPS) Commissioning Readiness Report* (CRR) provides the instructions, responsibilities, and forms used to document the local software applications an office plans to continue using at the time of AWIPS commissioning, as well as information pertaining to selective aspects of AWIPS operations and connectivity to other systems within the office environment. Local software applications are those developed either regionally or onsite and will be used in support of AWIPS commissioning.

1.1 Overview

The purpose of the *CRR* is to serve two major functions within the AWIPS commissioning process:

- Assist the Weather Service Headquarters (WSH) with obtaining information on how AWIPS will be interfaced with other internal and external systems, what local applications will continue in use at the time of commissioning, and verifying office-related information.
- Assist each office with reviewing their operation to ensure they are consistent with AWIPS standards and guidelines. This includes reviewing service backup information for sites an office will be backing up.

These instructions should be sufficient to prepare the *CRR* in its entirety, however, if you have questions concerning some aspect of the report, you need to:

- Contact your AWIPS regional focal point (RFP), who will contact the Systems Commissioning Manager, if necessary, or
- Send your question to:

  ntd@noaa.gov

  Your question will be answered first with an acknowledgment of the question being received, followed by an answer.

Note: Blank forms for completing the *CRR* are being prepared for inclusion on the commissioning home page. When they become available, you can download or complete them on-line. Section 2 contains the instruction for completing each part of the *CRR*.

1.2 Contents of the Commissioning Readiness Package

The *Commissioning Readiness Package* consists of the following:

CRR Cover Page

- The cover page as used on the cover of this report.

- Instructions for completing the cover page are included in Section 4.

CRR Forms

- Description of the forms.
- The three types of forms:
  - Local Applications
  - System Interfaces
  - Inventory Audit

CRR Attachments

Part I - *Commissioning Readiness Review* information

- Station-specific
- Service programs
- Systems-related

Part II - *County NEXRAD Coverage by Radar Category*

Part III - *County NEXRAD Coverage by County*

Part IV - *Commissioning Critical Hardware Inventory Audit*

2 Completing a CRR

A copy of the CRR is available from the Commissioning home page under Reports. To access the Internet site and download CRR document with the local software application forms, do the following:

1. Enter the URL of:

   http://www.awips_commissioning.nws.noaa.gov/

   The Commissioning page loads.

2. Choose the Reports button on the left-hand side of the page. The Commissioning Reports page loads.

3. Select the AWIPS Commissioning Readiness Report in either WordPerfect or PDF. Selecting WordPerfect allows you to mark the form boxes electronically and type remarks/comments when using WordPerfect to fill out the forms.

4. Use the following directions to fill out the forms.

2.1 Local Software Applications

The first section of the report pertains to the local software applications your office plans to continue using at the time of AWIPS commissioning. Local software applications are any application not supported on a national level. These include applications developed by individuals onsite, at another office, or at a regional level. For the AWIPS CRR, WSH is interested in those applications for exchanging either data or products with AWIPS. For example, if a local software application requires data from AWIPS, or if a product generated by a local software application must be transmitted over the AWIPS wide area network, then the application must be included. Those applications considered "stand-alone" (not needing to transmit or receive data through AWIPS) should not be documented in this report.

Applications are listed within the CRR Forms according to the operational program needs they address. These include:

- Warning
- Public
- Aviation
- Hydrology
- Hydrometeorological Technician (HMT)/Quality Control/Climate
- Fire Weather
- Marine
- Miscellaneous Tasks

Each column of the operational program form is defined as follows:

- Application lists the names of the local applications identified during the AWIPS Operational Test and Evaluation (OT&E).
- Description contains a short description of the application. If the description is similar to an application you are using onsite, but the name of the application is different, cross out the name under Application and underneath write the name your site uses.
- AWIPS Connection Point denotes where the equipment type, e.g., personal computer (PC), or workstation (W/S), is connected to AWIPS, i.e., asynchronous product scheduler (APS), Local Data Acquisition and Dissemination (LDAD), AWIPS local area network (LAN), or if the application is placed directly into AWIPS making it AWIPS Resident.
- AWIPS Function documents your reason for keeping the local application as it addresses: 1) an existing function delivered in AWIPS is deficient,
  2) a function is missing in AWIPS, or

3) the site uses it as backup in support of an AWIPS function (e.g., WISE II to backup WARNGEN).

- Comment allows the office to enter information pertinent to the other entries made. Some comments obtained from the AWIPS OT&E have already been incorporated.
- Applies to Site identifies each local application on the list pertaining to your office.

Complete the CRR form for each operational program, by doing the following:

1. Place an **X** in the **Yes** box under the Applies to Site column for each application continuing at your site. Those applications used by your site, but not listed need to be entered into a blank form following the Miscellaneous form.

2. Under the AWIPS Connection Point column, place an **X** in the box for the application equipment type (either PC or W/S).

3. Place another **X** under the AWIPS Connection Point column to select the appropriate connection point to AWIPS (APS, LDAD, or AWIPS LAN) or if the application is placed directly into AWIPS, select the AWIPS Resident box.

4. Indicate the reason for keeping the local application by selecting a box under AWIPS Function.
   1) the function delivered in AWIPS is deficient,
   2) the function is missing in AWIPS, or
   3) the site uses the application as a backup in support of an AWIPS function.

5. Write or enter any explanations in the Comment box.

6. For each application listed on a blank form, enter the name of the application with the operational program it pertains to underneath within parenthesis. For example, if your site uses PCNOWCAST, in the first blank box under Application enter
   PCNOWCAST
   (PUBLIC)

   If PCNOWCAST is very similar to PCNOW listed under the operational program Public, change PCNOW to PCNOWCAST and complete the entry.

2.2 System Interfaces

Provide the necessary information regarding connections into AWIPS in three areas:

- Asynchronous Connections
- LDAD Modems and Xyplex Connections

- AWIPS LAN Connections

In addition to AWIPS interfaces, there are sections associated with the following:

1. Radars Dialed by AWIPS

2. Associated Automated Surface Observing Systems (ASOS)

3. Service Backup Sites (2 types)

4. National Oceanic and Atmospheric Administration (NOAA) Weather Wire Service (NWWS) (both existing and replacement)

Instructions for completing these sections are in the following subsections.

2.2.1 AWIPS Asynchronous Connections

For each connection made into AS1 as part of the asynchronous product scheduler connections, on the AWIPS Asynchronous Connections form provide the following information:

1. Under System Interface, enter a description of the device to be interfaced (e.g., Hydromet PC) associated with the physical port where it is connected. Include all connections to national systems such as ASOS and Upper-Air as well as local systems. Be sure to cross-reference with the appropriate teletype (TTY). Include the connection to the office LAN or Internet service provider, if applicable. Also, include all connections to external users outside your office domain. For example, if a connection is made to an emergency manager, document this connection under the appropriate physical port and TTY.

2. Enter the port setting (i.e., baud rate and bit settings) under Port Settings.

3. Enter an **X** for either **Yes** or **No** under the Interface Secure? column. A **Yes** entry means the connection will be interfaced with the AWIPS, and/or some other firewall and meets the *AWIPS Security Policy*. A **No** means the firewall is being by-passed, but is still acceptable under the *AWIPS Security Policy*.

2.2.2 LDAD Connections

For each connection made into the LDAD, on the LDAD Connections form enter the following information:

1. Enter the name under System Interface next to the Line # associated with it.

2. Enter the Port Settings (i.e., baud rate and bit settings) as applicable.

3. Enter an **X** for either **Yes** or **No** under the Interface Secure? column. A **Yes** entry means the connection with the AWIPS, is secured, meaning no File Transfer Protocol (FTP) traffic is permitted, thus it meets the *AWIPS Security Policy*. A **No** means the interface is unsecured.

2.2.3 AWIPS LAN Connections

Complete the AWIPS LAN Connections form for any equipment (i.e., PC or workstation) requiring interfacing with the AWIPS LAN. This includes the interfacing of Console Replacement System (CRS) with AWIPS. The following instructions apply to this form:

1. Under Name, enter a description of the device to be interfaced (e.g., Local Applications PC) associated with the number of the Packet Hub where it is connected. The CRS interface is already documented for Next Generation Weather Radar (NEXRAD) Weather Service Forecast Offices (NWSFO). River Forecast Offices (RFC) and National Centers of Environmental Prediction (NCEP) can cross this system off.

2. Enter an **X** for the applicable LAN speed under this column. If you check other, enter the LAN speed.

3. Enter an **X** for the appropriate equipment type. If you check other, enter the equipment type.

4. Under LAN Physical Layer, enter an **X** for the appropriate entry. If you check other, enter a description.

5. Enter an **X** for either **Yes** or **No** under the Interface Secure? column. A **Yes** entry means the connection with the AWIPS, is secured, meaning no FTP traffic is permitted, thus it meets the *AWIPS Security Policy*. A **No** means the interface is unsecured.

2.2.4 Radars Dialed by AWIPS

The Radars Dialed by AWIPS form documents the radars your office plans to dial into. These radars should already be listed in your AWIPS radar list. If you are not sure they should be listed, you can obtain 10,000 foot coverage maps for your County Warning Area (CWA) from the Commissioning Internet site, Map/Charts page, under Public Datasets, name of a region. Restricted Datasets provide detailed radar coverage maps. Ask your AWIPS RFP for a password to obtain these maps. **Do not distribute these restricted maps beyond your office.**

1. Provide the name and radar ID under the Radar Site column.

2. Under the Reason for Radar Connectivity column, place an **X** next to:

- **Forecast & Warning**, if the radar dialed is used primarily for this purpose
- **Service Backup**, if the radar dialed is used primarily for this purpose
- **Other**, if there is some other reason for dialing this radar.

2.2.5 ASOS Dialed Into Site (Backup)

The ASOS Dialed Into Site (Backup) form documents the ASOSs associated with your office, ASOS backup locations, and ASOSs from other sites that will dial your LDAD in a backup mode.

Note: You cannot use Automation of Field Operations and Services (AFOS) as a dial backup for any of your systems interfaced into AWIPS.

Complete this form as follows:

1. Enter the three or four letter site identifiers (SID) for all ASOSs dialing your LDAD. List yours first followed by those that will be dialing your site as a backup.

2. Enter the ASOS Location (i.e., airport location or city) where the ASOS is located.

3. For each site identified, place an **X** next to:

   - **Direct**, if the connection is a direct line into LDAD, or
   - **Dial** if it is a dial connection.

   Refer to the *Commissioning Readiness Review* section of this package for a list of ASOSs under ASOS/PACE Connections. Changes in this list can be made at this time.

   Note: The section CWA ASOS Equipment **must** not be used for this part of the review.

4. Enter an **X** for **Primary** under Type, if the ASOS sends its products to your LDAD routinely, or "Backup" if you provide a backup via LDAD to another office's ASOS.

5. If Primary was selected, then enter the associated backup office SIDs for this ASOS under **Backup LDAD-1, Backup LDAD-2**, and **Backup LDAD-3**. For example, if you have 5 ASOSs dialing into your LDAD, then there needs to be 5 entries under the three backup office columns indicating the backup sites these ASOSs would dial if your LDAD were inoperative.

2.2.6 Service Backup Sites

There are two Service Backup Sites forms to document information pertinent to the two types of service backups:

1. Sites backing up your site, meaning if your entire AWIPS were inoperative, then one or more offices would be performing one or more service backup functions for you,

2. Sites being backed up by your site, whereby you perform the backup for another office.

Complete a Service Backup Sites form as follows:

1. Enter each office's name and SID for each type of service backup.

2. Place an **X** for each service program which will be backed under both types of service backup. For example, if another site would be performing the aviation and public programs in a backup mode, place an **X** in the boxes next to these two.

3. Likewise, if you are performing the backup function for other sites, then place an **X** next to the appropriate entries under Service Programs.

2.2.7 Associated NWWS Sites

There are two parts to this form. The left side is for entering the pertinent information concerning the associated existing NWWS locations. The right side is for documenting the replacement NWWS locations when the replacement system is fielded. For completing either side, enter the Primary and Backup site names, followed by the Site ID of where your products will be transmitted.

> **Note**: During the transition, there will be sites entering information for both the existing and replacement NWWS.

2.2.8 Commissioning Critical Hardware Configuration Inventory

The Commissioning Critical Hardware Inventory report from the NWS Configuration Management Section is generated for each AWIPS site. The inventory details the site specific critical hardware items attributed to your site as derived from the deliverable inventories received from the prime contractor. These items have also been correlated with the associated engineering drawings defining your system. This configuration inventory is a validation of your AWIPS hardware configuration baseline. It provides Configuration Management with the information to ensure your configuration meets one of the standardized AWIPS configurations. This inventory serves as a basis for future configuration management and change control assessments. Components delivered or changed, (i.e. D370-D380 server configurations) other than those identified in the inventory must be recorded.

1. Obtain a printout of the Commissioning Critical Hardware Configuration Inventory for your site by using the instructions in Section 3 Steps 1 through 6.

2. Verify that the hardware component Nomenclature listed reflects your hardware inventory. The nomenclatures are derived from the system inventory deliverables. If a nomenclature is not familiar to you, write in what you use. This will be helpful in future communications with your site personnel.

3. Ensure the Assembly/Part/Model Number listed is the part number identified on the master inventory and/or parts list from the contractor. In cases where no single defining number exists, the drawing number of the assembly was recorded. For an item marked NA, you are not required to record a part number.

   Record the part number/identification number found on the component in the Part Number Corrections column. Note this inventory audit is none-destructive if no part number/ identification is found simply record "none".

4. Ensure the Hardware Identifier Number assigned by the contractor and usually recorded (taped) on the component matches any listed. Iif the HW ID does not match, note the HW ID you have on the component. If no HW ID is listed, disregard. This number is for informational purposes only.

5. Initial each component line.INITIALS - Please record the initials of person(s) validating the system.

6. Note any critical components not listed on this audit in the blank rows on the last page.

3 Completing the CRR Attachments

Commissioning Readiness Review information consists of three reports produced from the National Transition Data base and a *Commissioning Critical Hardware Inventory Audit* tailored for each office.

Part I contains field office information in the following areas:

1. Station-specific
2. Service programs
3. Systems-related

Part II and Part III contain radar coverage information.

Part IV contains the *Commissioning Critical Hardware Inventory Audit*.

A copy of your site's *Commissioning Readiness Review* information and the sites your office backs up or is backed up by are available from the Commissioning home page under Reports. A *Commissioning Readiness Review* for your site and for each site you back up must be reviewed and

updated. To access the Internet site and download *Commissioning Readiness Review* information, do the following:

1. Enter the URL of:

   http://www.awips_commissioning.nws.noaa.gov/

   The Commissioning page loads.

2. Choose the **Reports** button on the left-hand side of the page. The Commissioning Reports page loads. The reports that are needed in your review package are listed by region.

3. Choose the appropriate region. A list of offices by MAR ID displays. This page allows you to view and/or download the information relating to your site using Adobe Reader. Users who do not have Adobe Reader can download it from this page by clicking on Adobe Reader and following the directions.

4. Select Part I for the MAR ID for your office or backup office. A Warning selection screen may display allowing you to either Open or Save the file to disk.

5. Open the file to display the *Commissioning Readiness Review*.

6. Print the file. Using the printout, perform a review of all site information, as follows:

7. Review the data for the site and redline any changes. For example, if you perform a Special service program not listed under **SERVICE SUMMARY,** then enter **YES** below **SPECIAL** and write a description underneath.

8. Review and redline changes for the **ASSOCIATED COUNTY WARNING AREAS**, followed by the **ASSOCIATED ZONE FORECASTS, ASSOCIATED MARINE FORECASTS** (if applicable), and the **ASSOCIATED AVIATION FORECASTS**.

9. Review the information pertaining to system-related information and redline your changes. There are various categories of system-related information for AFOS, NWWS, ASOS-PACE connections, AWIPS, CWA ASOSs, CWA NOAA Weather Radios (NWR), PC-Remote Observation System Automation (PC-ROSA), hydrological equipment, and upper-air.

   Note: CWA ASOSs refers to those NWS ASOSs residing within your CWA.

10. Repeat Steps 4, 5, and 6 to obtain and review radar information and *Commissioning Critical Hardware Inventory Audit* forms.

4 Compiling and Mailing the Commissioning Readiness Package

After all CRR forms and the CRR Attachments review is completed:

1. Attach the CRR to the *Commissioning Readiness Review* information.

2. Complete CRR Cover Page:

   a. Enter your site ID in the block after **WFO/RFC:**

   b. Enter the date the report was completed in the block after **DATE:**

   c. Print or type the name of the meteorologist-in-charge (MIC) or the hydrologist-in-charge (HIC) in the **MIC/HIC** block.

   d. Obtain the signature of the MIC/HIC in the **SIGNATURE** block.

3. Send the complete Commissioning Readiness Package via Express Mail to the following address:

   NOAA/National Weather Service
   1325 East-West Highway
   Silver Spring, Maryland 20910
   Attn: Joseph Facundo
   Systems Commissioning Manager
   Room 16236

The site must retain a copy of the Commissioning Readiness Package. If the region requires, an additional copy can be forwarded to the AWIPS RFP.

CRR FORMS

- **Local Applications Set**
- **AWIPS Connections Set**
- **Major Systems Interfaced into AWIPS Set**
- **Inventory Audit**

Local Applications Set

Warning Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
Wise II	Backup Warning product gen/xmit	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	Async line to AWIPS	Yes 9
PC-LSR	LSR product generator/xmit (storm reports)	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	Async line to AWIPS	Yes 9
LSRWIN	LSR product generator	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
WatchFlex	Prepares SLS Watch Redefining Statement	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	WWA	Yes 9
WWA	Fixes deficiencies for SLS in WWA	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
MAPAL	Produces SVR/TOR/FFW/SAW/ SEC/SLS	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9
GETWARNS	Gets warnings and sends to printer	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9

Warning Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
PANDA	Creates SVR WX verification/reports	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
WARN_TRACK	Graphically displays valid warnings. Required for PANDA program	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
VIL_DAY	Graph of VIL vs probability of severe hail	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
WRKUCP	Outputs atmospheric parameters for 88D Hail Algorithm	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
WINTER_WX_ VERIFICATION	Makes table of counties in winter warnings	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Public Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
PCNOW	NOW product generation	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	Async line to AWIPS	Yes 9
SHARP	Sounding analysis (Skew-T)	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	Async line to AWIPS	Yes 9
MESONET		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
SOOVER	Forecaster Verification Program; Local feedback	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
PC-verify	PC-addition to AFOS-era verify program; gives local feedback	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
TV		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9
PROFILER	Wind profiler analysis	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	LDAD ftp	Yes 9

Public Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
FPCMAP	Displays FWC data like AFOS	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9
WORKSHEET		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
FWC PRINT		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
FMR_ENSEMBLE _PLOT	Plots FMR ensemble data with obs/fcst	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
PC-PLOT	Plots a variety of data	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
D2D_to_GIF	Converts D2D to GIF image	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
D2D_data_to_tape		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Public Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
XNOW	Formatter for zones/short/long/WWA	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
ALARM SCRIPTS	Displays reminder messages for a forecaster	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
WIN FLEX 98	Formats ZFP, NOW, SPS, SVS, WSW, NPW	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
MOS RH	Prepares RH, windchill, heat index tables MOSRH	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
BUFKIT	Hourly Model Soundings analysis tool	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
KSMOSCAN	Creates MESONET data from SCAN sites	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
Makafp	Creates AFP product from ICWF	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Public Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
PCGRIDDS	Displays model grids data on PC; Bolsters Product Maker	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
HAINES	Produces Haines Index from Raob Data	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
FWC/FAN PLOT	Plots regional maps of FWC/FAN guidance	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
SFP_HELPER	Used for State Forecast Composition	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	Convert to AWIPS	Yes 9

Aviation Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
TWBGEN	Requests collated TAFS from AFOS and creates WRKTWB	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	Program to run on AWIPS to gather products and use async comms	Yes 9
TWEB Formatter	Formats TWEB products from TAFs	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Aviation Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
TAFcheck	Checks TAFS for errors	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	Plan on continued use on PC and with async comms. Could rewrite on AWIPS.	Yes 9
TAFMON	Monitors TAFS/METARS	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9
TAFVER	TAF Verification	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
TAF Print	TAF quality control and logging	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
RAVE	TAF Monitoring/Editing	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
X-TAF	Formatter for TAFs/TWEBs	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Hydrology Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
WINQPF	Backup QPF generation/xmit QPF Transmission - Until ICWF QPF transmit fixed	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	Async line to AWIPS ICWF	Yes 9
Max QPF	QPF max amount	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
PLOTPOP	Stage III precip vs. RDF 12-hour pops	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
RAINDROP	SHEF encodes mesonet data for RR2	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
River Reports	Formats river stage reports	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
Manual River Forecasts	Formats manual river crest forecast for Riverpro	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
QPF VFCN	QFP verification program	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

HMT Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
PP tools	Observed climo	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	PC 9 W/S 9 Other 9	Yes 9
TELE	Used for NWR broadcast	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9
COOPMAP	plots co-op data	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9
PC-COOP	Processes RRI - RR3 Products	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
RRI Product Generator	Precip/snow/river reading obs., formatter and transmitter	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
SNUFFLE	CRS product formatter	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9
Bubble	Program interfaces with APS	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

HMT Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
Airwave	Format CRS products	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS CRS formatters	Yes 9
PROMO	Creates Promos for CRS	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
CLI/F6	Prepares climate and F6: CLI, LCD, RTP	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS CLI	Yes 9
WINSCD	Codes 6-hr synoptic additive data. Creates SDO/SCD coded observations	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
WINCLI	Transmits Local Climate Report via Bubble	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
agdcdr	Creates SHEF/METAR obs	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
TXT2html	Connects products to html for homepage	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

HMT Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
SHEF_CHEK	Checks SHEF reports for errors	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
PC-ROSA	Interfaces and encodes ROSA observations	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
STP_TABLE	Creates STP Table; Riverpro deficient	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Fire Weather Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
RFD	Prepare rangeland fire danger product (RFD) for state	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
FWF	Reformats ZFP to fire weather product format	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
CLICKSPOT	Spot Forecast Formatter	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
PC_GREEN	FTP AWIPS for Fire Weather	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Marine Program					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
SendTide (TIDCRP)	Transmits tidal data/water temp to AWIPS	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb, LDAD	Yes 9
BOYXXX	Hourly display of CMAN or BUOY data	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9	AWIPS Textdb	Yes 9

Miscellaneous					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
HABT	PC communications	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
TMOS	BBS for amateur radio	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
LCL ALARM	Alarms for a variety of products	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
Set Alarms	Adds/deletes sets of alarms at workstations	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Miscellaneous					
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
TXT2html	Connects products to html for homepage	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
Bubble Viewer	Displays text products on PC	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
AGO	Crop Reports	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
WDA	Weekly Crop Report summary	PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
Application	**Description**	**AWIPS Connection Point**	**AWIPS Function**	**Comment**	**Applies to Site**
		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

Application	Description	AWIPS Connection Point	AWIPS Function	Comment	Applies to Site
		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9
		PC 9 APS 9 W/S 9 LDAD 9 AWIPS LAN 9 AWIPS Resident 9	Deficient 9 Missing 9 Backup 9		Yes 9

AWIPS Connections Set

AWIPS Asynchronous Connections (AS1)						
Physical Port	Device		Line	System Interface	Port Settings	Interface Secure?
	D Class	K Class				
1	tty2a1	tty1p0	1	AFOS	9600, 8, N, 1	9 Yes 9 No
2	tty2a2	tty1p1	2			9 Yes 9 No
3	tty2a3	tty1p2	3			9 Yes 9 No
4	tty2a4	tty1p3	4			9 Yes 9 No

AWIPS Asynchronous Connections (AS1)						
Physical Port	**Device**		**Line**	**System Interface**	**Port Settings**	**Interface Secure?**
	D Class	**K Class**				
5	tty2a5	tty1p4	5			9 Yes 9 No
6	tty2a6	tty1p5	6			9 Yes 9 No
7	tty2a7	tty1p6	7			9 Yes 9 No
8	tty2a8	tty1p7	8			9 Yes 9 No
9	tty2a9	tty1p8	9			9 Yes 9 No
10	tty2a10	tty1p9	10			9 Yes 9 No
11	tty2a11	tty1p10	11			9 Yes 9 No
12	tty2a12	tty1p11	12			9 Yes 9 No
13	tty2a13	tty1p12	13			9 Yes 9 No
14	tty2a14	tty1p13	14			9 Yes 9 No
15	tty2a15	tty1p14	15			9 Yes 9 No
16	tty2a16	tty1p15	16			9 Yes 9 No

LDAD Connections				
LINE #	**TTY**	**Port Settings**	**System Interface**	**Secure**
1.	Tty2p1			9 Yes 9 No
2.	tty2p2			9 Yes 9 No
3.	tty2p3			9 Yes 9 No
4.	tty2p4			9 Yes 9 No
5.	tty2p5			9 Yes 9 No
6.	tty2p6			9 Yes 9 No
7.	tty2p7			9 Yes 9 No
8.	tty2p8			9 Yes 9 No
9.	tty2p9			9 Yes 9 No
10.	tty2p10			9 Yes 9 No
11.	tty2p11			9 Yes 9 No
12.	tty2p12			9 Yes 9 No
13.	tty2p13			9 Yes 9 No
14.	tty2p14			9 Yes 9 No
15.	tty2p15			9 Yes 9 No
16.	tty2p16			9 Yes 9 No
17.	tty2p17			9 Yes 9 No

LDAD Connections				
LINE #	**TTY**	**Port Settings**	**System Interface**	**Secure**
18.	tty2p18			9 Yes 9 No
19.	tty2p19			9 Yes 9 No
20.	tty2p20			9 Yes 9 No
21.	tty2p21			9 Yes 9 No
22.	tty2p22			9 Yes 9 No
23.	tty2p23			9 Yes 9 No
24.	tty2p24			9 Yes 9 No
25.	tty2p25			9 Yes 9 No
26.	tty2p26			9 Yes 9 No
27.	tty2p27			9 Yes 9 No
28.	tty2p28			9 Yes 9 No
29.	tty2p29			9 Yes 9 No
30.	tty2p30			9 Yes 9 No
31.	tty2p31			9 Yes 9 No
32.	tty2p32			9 Yes 9 No
33.	tty2p33			9 Yes 9 No
34.	tty2p34			9 Yes 9 No

LDAD Connections				
LINE #	**TTY**	**Port Settings**	**System Interface**	**Secure**
35.	tty2p35			9 Yes 9 No
36.	tty2p36			9 Yes 9 No
37.	tty2p37			9 Yes 9 No
38.	tty2p38			9 Yes 9 No
39.	tty2p39			9 Yes 9 No
40.	tty2p40			9 Yes 9 No

AWIPS LAN Connections					
Pocket Hub	**Name**	**LAN Speed**	**Equipment Type**	**LAN Physical Layer**	**Interface Secure?**
CRS	CRS Interface	4 MB 9 100 MB 9 10 MB 9 Other 9	PC 9 W/S 9 Router 9 Other 9	EtherNet 9 Token Ring 9 FDDI 9 Other 9	9 Yes 9 No
1.		4 MB 9 100 MB 9 10 MB 9 Other 9	PC 9 W/S 9 Router 9 Other 9	EtherNet 9 Token Ring 9 FDDI 9 Other 9	9 Yes 9 No
2.		4 MB 9 100 MB 9 10 MB 9 Other 9	PC 9 W/S 9 Router 9 Other 9	EtherNet 9 Token Ring 9 FDDI 9 Other 9	9 Yes 9 No
3.		4 MB 9 100 MB 9 10 MB 9 Other 9	PC 9 W/S 9 Router 9 Other 9	EtherNet 9 Token Ring 9 FDDI 9 Other 9	9 Yes 9 No
4.		4 MB 9 100 MB 9 10 MB 9 Other 9	PC 9 W/S 9 Router 9 Other 9	EtherNet 9 Token Ring 9 FDDI 9 Other 9	9 Yes 9 No
5.		4 MB 9 100 MB 9 10 MB 9 Other 9	PC 9 W/S 9 Router 9 Other 9	EtherNet 9 Token Ring 9 FDDI 9 Other 9	9 Yes 9 No
6.		4 MB 9 100 MB 9 10 MB 9 Other 9	PC 9 W/S 9 Router 9 Other 9	EtherNet 9 Token Ring 9 FDDI 9 Other 9	9 Yes 9 No

AWIPS LAN Connections					
Pocket Hub	**Name**	**LAN Speed**	**Equipment Type**	**LAN Physical Layer**	**Interface Secure?**
7.		4 MB 9 100 MB 9 10 MB 9 Other 9	PC 9 W/S 9 Router 9 Other 9	EtherNet 9 Token Ring 9 FDDI 9 Other 9	9 Yes 9 No

Major Systems Interfaced into AWIPS Set

Radars Dialed by AWIPS	
Radar Site	**Reason for Radar Connectivity**
1	9 Forecast & Warning 9 Service Backup 9 Other
2	9 Forecast & Warning 9 Service Backup 9 Other
3	9 Forecast & Warning 9 Service Backup 9 Other
4	9 Forecast & Warning 9 Service Backup 9 Other
5	9 Forecast & Warning 9 Service Backup 9 Other
6	9 Forecast & Warning 9 Service Backup 9 Other
7	9 Forecast & Warning 9 Service Backup 9 Other
8	9 Forecast & Warning 9 Service Backup 9 Other
9	9 Forecast & Warning 9 Service Backup 9 Other
10	9 Forecast & Warning 9 Service Backup 9 Other
11	9 Forecast & Warning 9 Service Backup 9 Other
12	9 Forecast & Warning 9 Service Backup 9 Other
13	9 Forecast & Warning 9 Service Backup 9 Other
14	9 Forecast & Warning 9 Service Backup 9 Other
15	9 Forecast & Warning 9 Service Backup 9 Other
16	9 Forecast & Warning 9 Service Backup 9 Other
17	9 Forecast & Warning 9 Service Backup 9 Other
18	9 Forecast & Warning 9 Service Backup 9 Other
19	9 Forecast & Warning 9 Service Backup 9 Other
20	9 Forecast & Warning 9 Service Backup 9 Other

Radars Dialed by AWIPS	
Radar Site	**Reason for Radar Connectivity**
21	9 Forecast & Warning 9 Service Backup 9 Other
22	9 Forecast & Warning 9 Service Backup 9 Other
23	9 Forecast & Warning 9 Service Backup 9 Other
24	9 Forecast & Warning 9 Service Backup 9 Other
25	9 Forecast & Warning 9 Service Backup 9 Other
26	9 Forecast & Warning 9 Service Backup 9 Other

ASOS Dialed Into Site (Backup)					
ASOS ID	**ASOS Location**	**Connection Type**	**Backup LDAD-1**	**Backup LDAD-2**	**Backup LDAD-3**
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			

ASOS Dialed Into Site (Backup)					
ASOS ID	**ASOS Location**	**Connection Type**	**Backup LDAD-1**	**Backup LDAD-2**	**Backup LDAD-3**
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			
		9 Direct 9 Primary 9 Dial 9 Backup			

Service Backup Sites			
Sites Backing Up Your Site	**Service Programs**		
1	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other
2	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other
3	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other
4	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other
5	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other

Service Backup Sites			
Sites Being Backed Up by Your Site	**Service Programs**		
1	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other
2	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other
3	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other
4	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other
5	9 Public	9 Hydro	9 Fire Wx
	9 Aviation	9 Marine	9 Climate
	9 Special	9 RFC	9 Other

Associated NWWS Sites	
Existing	**Replacement**
Primary Site: Site ID:	Primary Site: Site ID:
Backup Site: Site ID:	Backup Site: Site ID:

Commissioning Critical Hardware Inventory Audit (Example)					
Nomenclature	**Assembly/Part/Model Number**	**Part No. Corrections**	**Serial Number**	**HW ID**	**Initials**
Rack 1 "SB"					
Demodulator	SDR54A			4065	
Demodulator	SDR54A			4065	
Satellite Broadcast Processor	AWP-000000-109-0700-1	NA		NA	
Satellite Broadcast Processor	AWP-000000-109-0700-1	NA		NA	
Switch Panel 4 IS-53N; 11 BP 1 IS-35N	AWP-000000- 109-0210-1	NA		NA	
Rack 2 "CP"					
CSU/DSU GFE.	GFE	NA		NA	
Router w/o Ethernet NP-6E	Cisco 4500M			3939	
Router w/o Ethernet NP-6E	Cisco 4500M			3939	
Switch Panel 5 IS-24N; 8 BP 1 IS-35N	AWP-000000- 109-0210-2	NA		NA	
Sync CP 8 port	FW-1000-R-2			3842	
Sync CP 8 port	FW-1000-R-2			3842	
TIU (shelf mount) GFE	GFE	NA		NA	
Rack 3 "AS1"					
Server D350	A3334A			1587	
Monitor and Control MAX sever 1640	MX40			2909	
Asynchronous Interface	J2485A			3431	
Asynchronous Interface	J2485A			3431	
Rack 4 "AS2"					
Application Server D350	A3334A				
Telco Interface Patch Panel	JPM012			3241	
Telco Interface Patch Panel	JPM012			3241	
Modem Card Dual-Dial 3262 slot 14	42602			3239	
Modem Card Dual-Dial 3262 slot 15	42602			3239	
Modem Card Dual-Dial 3262 slot 16	42602			3239	
Modem Card Dual-Dial 3262 slot 17	42602			3239	
Modem Card Dual-Dial 3262 slot 18	42602			3239	
Modem Card Dual-Dial 3262 slot 19	42602			3239	
Modem Card Dual-Dial 3262 slot 20	42602			3239	
Modem Card Dual-Dial 3262 slot 21	42602			3239	
Modem Card Dedicated 3263 slot 1	42603			3240	
Modem Card Dedicated 3263 slot 2	42603			3240	

Commissioning Critical Hardware Inventory Audit (Example)					
Nomenclature	**Assembly/Part/Model Number**	**Part No. Corrections**	**Serial Number**	**HW ID**	**Initials**
Modem Card Dedicated 3263 slot 3	42603			3240	
Modem Card Dedicated 3263 slot 5	42603			3240	
Modem Card Dedicated 3263 slot 6	42603			3240	
Modem Card Dedicated 3263 slot 7	42603			3240	
Other modems not on inventory					
Modem cards (other) slot 4					
Modem cards (other) slot 9					
Modem cards (other) slot 10					
Modem cards (other) slot 11					
Modem cards (other) slot 12					
Modem cards (other) slot 13					
Rack 5 "DS1"					
Data Server K220	A3453A			3790	
FDDI Patch Panel	66202			2876	
FDDI Patch Panel	66202			2876	
FDDI Patch Panel	66202			2876	
FDDI Patch Panel	66202			2876	
Mass Storage 12GB (3x4.3GB LP Dk)	A3312A			3507	
4 Port Pocket Hub	E-TBT-HB-0402			2880	
Ethernet Hub	J3201A + ABA			3716	
Ethernet Hub	J3201A + ABA			3716	
Rack 6 "DS2"					
DAT Autoloader	A3716A			3721	
Data Server K220	A3453A			3790	
Mass Storage 12GB (3x4.3GB LP Dk)	A3312A			3507	
4 Port Pocket Hub	E-TBT-HB-0402			2880	
4 Port Pocket Hub	E-TBT-HB-0402			2880	
4 Port Pocket Hub	E-TBT-HB-0402			2880	
4 Port Pocket Hub	E-TBT-HB-0402			2880	
4 Port Pocket Hub	E-TBT-HB-0402			2880	
4 Port Pocket Hub	E-TBT-HB-0402			2880	
4 Port Pocket Hub	E-TBT-HB-0402			2880	
Rack 7 "LDAD"					
LDAD Comm Processor	A3473A			4308	
FAX Modem	MT2834BA			4211	

Commissioning Critical Hardware Inventory Audit (Example)					
Nomenclature	**Assembly/Part/Model Number**	**Part No. Corrections**	**Serial Number**	**HW ID**	**Initials**
Firewall	Net Server E45			4376	
LDAD LAN Switch Wave Switch 1018	PTP650A			4231	
Terminal Server MAX SERVER 1640	MX-1640-004			2909	
ASYNC Interface 16 channel	J2485A			3431	
DTMF Converter	K1KA16478			4399	
DTMF Converter	K1KA16478			4399	
Type III Work Station Qty(6)					
Monitor 20"color Qty (2) GB Disk Drive 128 MB ECC Memory J200 Base System 100MHZ	A4331A A4119A A4208A A4080A			3343 3811 3801 3565	
X Terminals Qty (6)					
HP ENVIZEX II 8MB base Monitor 20" color Memory, 32MB	C5202A A4331D C2748A				
System Console	C1064G			2951	
Printer, Text	C3917A			3412	
Printer, Color Graphics	C3541A			3414	
DAT Tape Drive, External	C6362A			4304	
CD ROM External	C2943A			1543	

System Software Version you are currently running _____

COMMENTS: